# INDEX TO CONTENTS OF 1989 AMS

## VOL. 3 1989

### NO. 1

The Interaction between Eddy Flux and Zonal Averaged Flow in "June Sudden Change"
Zhang Jijia (章基系) and Zhou Shuntai (周順泰) (1)
The Impact of Radiative Processes on the Onset of Summer Monsoon—Numerical Experiments
The Oscillation of Certain Zonal Mean Characteristics of Motion on a Spheric Earth's Atmosphere-
Part 2: Anisotropic Quasi-Eddy Motion
Possibility to Use Schördinger Equation to Describe Large-Scale Probability Waves and Its Application in
Seasonal PredictionZhang Shaoqing (章少卿), Li Maicun   李麦村   and Zhu Qiwen (朱其文) (25)
Experimental Analysis of the Turbulent Transfer Coefficient for Sensible Heat in the Surface Layer over
the Qinghai-Xizang Plateau
Effects of Wind Shear on Atmospheric Gravity Wave Spectrum
Remote Sensing of Cloud Bottom Height and Cloud Temperature by Infrared Radiometer
Wang Pucai (王普才), Lii Daren (吕达仁) and Lin Hai (林 海) (54)
The Criterion for Propagation of the Positive Streamer and Its Application
Wang Daohong (王道洪) and Guo Changming (郭昌明) (64)
The Effect of the Negative Entropy Flow on the Organization of Atmospheric Dissipative Structures in
Non-Equilibrium Conditions
Study on the Stability Structure of Synoptic Scale Systems, the Bifurcation of Phase Path Characteristics
and the Influence of the Time-Oscillation of Heat Source
Linear and Nonlinear Barotropic Instability
Analysis of Periodic Characteristics of Erratic Track Frequency for Typhoon in South China Sea and
West Pacific Lin Chunhui (林春輝) (98)
Impacts of Surface Friction and Orographical Forcing on the East Asia Coastal Cyclogenesis
BMC Limited Area Model—General Description and Operational Results
Guo Xiaorong (郭肖容), Yan Zhihui (阎之辉), Zhang Yuling (张玉玲) and Chen Shoujun (陈受钧) (108)
Out Amorong (非月音), Ian Zamua (國之縣), Zamag Tuang (张玉蓉) and Chen Shoujun (宗文朝) (108)
NO. 2
Response of Tropical Atmospheric Circulation to the Ocean-Land Surface Heating-An Analytical
Simulation
Designation and Application of a Spherical Long-Wave Spectral Model Wu Guoxiong (吳国雄) (132)
The Influence of Eddy Viscosity on the Subtropical Planetary-Scale Circulation in Summer
Dynamic Influence of Qinghai-Xizang Plateau and Rocky Mountains on the Lee Cyclones
Sheng Hua (進 华) and Tao Shiyan (陶诗官) (156)
A Numerical Experiment of Squall-Line Formation with Convective Condensation Heating
Influences of Nonstationary Process on Internal Parameters and Wind Profiles in the Planetary Boundary
Layer
Numerical Simulation of Microphysical Processes in CumulonimbusPart II: Case Studies of Shower,
Hailstorm and Torrential Rain
Figure 1 and 1011 child I can be seen that the control of the cont

# INDEX TO CONTENTS OF 1989 AMS

## VOL. 3 1989

### NO. 1

The Interaction between Eddy Flux and Zonal Averaged Flow in "June Sudden Change"
Zhang Jijia (章基系) and Zhou Shuntai (周順泰) (1)
The Impact of Radiative Processes on the Onset of Summer Monsoon—Numerical Experiments
The Oscillation of Certain Zonal Mean Characteristics of Motion on a Spheric Earth's Atmosphere-
Part 2: Anisotropic Quasi-Eddy Motion
Possibility to Use Schördinger Equation to Describe Large-Scale Probability Waves and Its Application in
Seasonal PredictionZhang Shaoqing (章少卿), Li Maicun   李麦村   and Zhu Qiwen (朱其文) (25)
Experimental Analysis of the Turbulent Transfer Coefficient for Sensible Heat in the Surface Layer over
the Qinghai-Xizang Plateau
Effects of Wind Shear on Atmospheric Gravity Wave Spectrum
Remote Sensing of Cloud Bottom Height and Cloud Temperature by Infrared Radiometer
Wang Pucai (王普才), Lii Daren (吕达仁) and Lin Hai (林 海) (54)
The Criterion for Propagation of the Positive Streamer and Its Application
Wang Daohong (王道洪) and Guo Changming (郭昌明) (64)
The Effect of the Negative Entropy Flow on the Organization of Atmospheric Dissipative Structures in
Non-Equilibrium Conditions
Study on the Stability Structure of Synoptic Scale Systems, the Bifurcation of Phase Path Characteristics
and the Influence of the Time-Oscillation of Heat Source
Linear and Nonlinear Barotropic Instability
Analysis of Periodic Characteristics of Erratic Track Frequency for Typhoon in South China Sea and
West Pacific Lin Chunhui (林春輝) (98)
Impacts of Surface Friction and Orographical Forcing on the East Asia Coastal Cyclogenesis
BMC Limited Area Model—General Description and Operational Results
Guo Xiaorong (郭肖容), Yan Zhihui (阎之辉), Zhang Yuling (张玉玲) and Chen Shoujun (陈受钧) (108)
Out Amorong (非月音), Ian Zamua (國之縣), Zamag Tuang (张玉蓉) and Chen Shoujun (宗文朝) (108)
NO. 2
Response of Tropical Atmospheric Circulation to the Ocean-Land Surface Heating-An Analytical
Simulation
Designation and Application of a Spherical Long-Wave Spectral Model Wu Guoxiong (吳国雄) (132)
The Influence of Eddy Viscosity on the Subtropical Planetary-Scale Circulation in Summer
Dynamic Influence of Qinghai-Xizang Plateau and Rocky Mountains on the Lee Cyclones
Sheng Hua (進 华) and Tao Shiyan (陶诗官) (156)
A Numerical Experiment of Squall-Line Formation with Convective Condensation Heating
Influences of Nonstationary Process on Internal Parameters and Wind Profiles in the Planetary Boundary
Layer
Numerical Simulation of Microphysical Processes in CumulonimbusPart II: Case Studies of Shower,
Hailstorm and Torrential Rain
Figure 1 and 1011 child I can be seen that the control of the cont

Intracloud Lightning Discharges in the Lower Part of Thundercloud
Liu Xinsheng (対版生), Ye Zongxiu(叶宗秀),
Charles ( Annual ( A
Shao Xuanmin (邵选民), Wang Caiwei (王才伟), Yan Muhong (言穆弘) and Guo Changming (郭昌明) (212) On Asymptotic Distributions for Extremes of Surface Temperature and Surface Wind in China
Characteristics of the Surface and Atmospheric Heating Fields over Qinghai-Xizang Plateau for the
Period from August 1982 to July 1983
Numerical Simulations of Turking (表 University State of
Numerical Simulations of Turbulent Flow in and above Plant Canopies
Yin Xieyuan (尹协远) and J.D. Lin (242)
The Chain Dependence of Daily Precipitation Occurrence in Shaanxi Province of China
Qian Yunqi ( 競允賞) (250 )
NO. 3
Reconstruction of the Eighteenth Century Summer Monthly Precipitation Series of Nanjing, Suzhou,
and Hangzhou Using the Clear and Rain Records of Qing Dynasty
Zhang De'er (张德二) and Pao K. Wang (261)
Reconstruction of Winter Temperature in China for the Last 500 Years
Wang Risheng (王曰昇) and Wang Shaowu (王鋁武) (280)
The Southern Oscillation Reconstruction and Drought/Flood in China
Zhang Xiangong (张先恭),Song Jie (宋 洁) and Zhao Zhen (赵 溱) (290)
The Excessive Rain over the Middle-Lower Reaches of Changjiang River and Its Relation to the Vol-
canic Eruptions in History
The Numerical Simulation of Two-Dimensional Dynamical Climate Model with Mountain Forcing
Li Weiliang (李维亮), Chen Long xun (陈隆勛), Zhou Xiuji (周秀讓) and Gong Wei (養 歳) (312
A GCM and Its Monthly Simulation Experiment
Jiang Dayong (美达雍), Yang Meiyu (杨梅玉), Min Wei (因 伟) and Chen Longxun (陈隆勋) (328
A Simple Land Surface Process Model for Use in Climate Study
Ji Jinjun (季劝智) and Hu Yuchun (胡玉春) (342
Evolutional Features of Interannual Low-Frequency Oscillations and Their Relation to the Occurrence
of El Nino
On 3.5-Year Coupled Oscillation between Northern Oscillation and Sea Surface Temperature of
the Equatorial Pacific
The Effects of Sea Surface Temperature over the Equatorial Western Pacific and the Indian Ocean on
the Asian Summer Monsoon
The Effect of the Long Wave over the Northern Hemisphere on Typhoon Tracks over the Northwestern
Pacific
Climatological Studies on the Radiation in China
Tide-Forming Forces and the Anomaly of the Atmospheric Circulation
NO. 4
4101 7
Influence of the Basic Flow in the Tropics on the Stationary Planetary Waves at Middle and High Latitudes
during the Northern Hemisphere Winter Huang Ronghui (黄荣辉) and Yan Bangliang (严邦良) (437
Simulation Study of the Effect on Cold Surge of the Qinghai-Xizang Plateau as a Huge Orography
Blocking Effect of High Pressure System on the Formation of Extra-Intense Heavy Rain
El Nino and the Anomalous Climate in China
The Indian Summer Monsoon and Summer Rainfall in North China Liang Pingde (漢平德) (482

Characteristic Distribution of Slope Scattered Radiation with Its Calculation Model .....

Li Zhanqing (李占清) and Weng Duming (翁寫鳴)	
A Two-Dimensional Numerical Study of Wind Sheltering Effects of Shelterbelts	
Mang Hao (王 治) and Shen Jinmei (沈金姝) A Laboratory Investigation of Characteristics of Tornado-like Vortices over Various Rough Surfaces	
	(506)
Mesoscale Rainbands ahead of Cold Fronts in North China and Their Dynamical Mechanisms	
Numerical Simulation of Turbulent Diffusion over a Complex Terrain Sang Jianguo(桑建国)	
A Simple Nonlinear Model of Inertial Oscillation of Atmosphere in Low-Latitudes	
	(534)
Australia-China Cooperation in Meteorology Zou Jingmeng (邹竞蒙) and J.W. Zillman	
Detection of Forest Fire in Da Hinggan Ling Region by Meteorological Satellite	
Zhang Jijia (章盖嘉),	
Zhang Qingshan (张青山), Dian Changgong (黃常恭), Liu Cheng (刘 诚) and Dong Chaohua (董超华)	(562)
200.4	
NO. 5	
Medium-Range Oscillation and Teleconnection of the Atmospheric Circulation System over the Northwest	
Pacific and South Indian Oceans	(571)
Numerical Study of Quasi-Biweekly Oscillation in Tropical Atmosphere	
	(582)
Numerical Experiments on Mid-Latitude SST Anomaly and Variation in Circulation Pattern	
	(594)
The Role of Clouds/Radiation in Long-Range Numerical Weather Prediction	
	(603)
Actual Analysis and Theoretical Simulation on Position of Subtropical Highs over Western Pacific	
	(618)
Systematic Forecast Errors in U.S. NMC Operational Spectral Model	
Motions in the Boundary Layer under the Geostrophic Momentum Approximation Incorporating	
a Three-Section K Distribution	
A Statistical Analysis of Sodar Data Detected in Yanshan Mountain Area, Beijing	
Lü Naiping (吕乃平), Zhou Mingyu (周明煜), Su Lirong (苏立荣) and Chen Yanjuan (陈炎洞)	
Pumping at Steady Cumulus Base and Haltiner's Air Column Model Wang Peilin (王沛霖)	
A Numerical Model for Hilly-Land Global Radiation.	

